

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116

MINING AND RECLAMATION PLAN

(Other forms may be used in lieu of MR 2, provided  
they contain the same information)

1. Name of Applicant or Company American Gilsonite Company
2. Proposed type of operation Underground
3. (a) Prior Land Use(s) Natural Game Habitat, some grazing  
(b) Current Land Use(s) Same as (a) above  
(c) Possible or Prospective Future Land Use(s) Same as (a) above
4. What vegetation exists on the land proposed to be affected (1) Grasses (cheat-  
grass, dropseed, & galleta), 2) Shrubs (sagebrush, greasewood, & shadscale)  
(a) Types and Estimated Percent cover or density: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
5. What is the pH range of soil before mining? 8.5 pH  
Name of Person or Agency and method of determining pH R.E. Lamborn, Utah  
State University Saturated paste method
6. Site elevation above sea level 5140 feet to 5320 feet
7. In case of coal, oil shale, and bituminous sandstone:  
Principal seam(s) and thickness(es) N. A.
8. Estimated duration of mining operations 30 years (est.)
9. Has overburden, waste or rejected materials been classified as acid or  
alkali producing? ( ) Yes (X) No  
Does the above material being moved have any other characteristics  
affecting revegetation? No
10. Will any underground workings or aquifers be encountered? ( ) Yes (X) No  
Describe \_\_\_\_\_  
Is there an active discharge of water from abandoned deep mines on or  
crossing the land affected? ( ) Yes (X) No If yes, describe  
the quality of water being discharged. \_\_\_\_\_

See attached copy of data for the exploration plan for this lease. Mining plan to follow in future.

11. Describe specifically a detailed procedure for:
- The mining sequence
  - The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades.
  - The procedure for site preparation including removing trees and brush.
  - The method for removing and stockpiling topsoil or disturbed materials.
  - The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic materials.
  - A procedure for final stabilization of disturbed materials.

GRADING AND REGRADING

No severe regrading anticipated, see attached copy of drilling plan for this lease.

Specifically describe:

- Typical cross-section of regrading.
- The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material.
- What type of soil treatment will be utilized.
- The method of drainage control for the final regraded area.
- Maximum grading slope.

TESTING

1. Describe method for testing stability of reclamation fill material.

Use of fill material not anticipated

Describe method for the testing of soil that is intended to support vegetation

Saturated paste method for determining pH

2. Describe any soil treatment employed as an aid to revegetation \_\_\_\_\_

None anticipated

3. Describe surface preparation of areas intended to support vegetation:

Return topsoil and grading, contouring, and possibly some

harrowing as required

REVEGETATION

1. Revegetation to be completed by:

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Operator        | <input type="checkbox"/> Hydroseeding                       |
| <input type="checkbox"/> Soil Conservation District | <input type="checkbox"/> Aerial Seeding                     |
| <input type="checkbox"/> Private Contractor         | <input type="checkbox"/> Conventional or Rangeland Drilling |
| <input type="checkbox"/> Other (specify) _____      | <input type="checkbox"/> Broadcast and Drag                 |
|   | <input type="checkbox"/> Other _____                        |

2. Will Mulch be used?      ( ) Yes      ( ) No      Not anticipated  
Type: \_\_\_\_\_ Rate/Acre \_\_\_\_\_ lbs.

3. Revegetation Plan and Schedule -

Species	Rate/ Acre	Planting Location	Facing N-S-E-W	Season to be replanted
To be determined later in accordance with recommendations from the appropriate regulatory agency.				

4. Will affected area be subject to livestock or wildlife grazing?  
( ☒ ) Yes    ( ) No    Will vegetation protection be needed? \_\_\_\_\_  
Not anticipated

5. Will irrigation be used:    ( ) Yes    ( ☒ ) No    Type \_\_\_\_\_

6. Describe maintenance procedures for revegetation if needed, until surety  
release is granted.      No need for a formal maintenance procedure is anticipated;  
however, areas may have to be reseeded if germination and/or growth is  
retarded for any reason.

STATE OF Utah

COUNTY OF Salt Lake

I, T. C. Moseley, having been duly sworn  
depose and attest that all of the representations contained in the foregoing  
application are true to the best of my knowledge; that I am authorized to  
complete and file this application on behalf of the Applicant and this  
application has been executed as required by law.

Signed: *T. C. Moseley*

Taken, subscribed and sworn to before me the undersigned authority  
in my said county, this 13th day of October, 19 80.

Notary Public: *Herbert E. Johnson*

My Commission Expires: March 4, 1984

PLEASE NOTE:

Section 40-8-13(2) of the Mined Land Reclamation Act provides as  
follows:

"Information relating to the location, size, or nature  
of the deposit and marked confidential by the operator,  
shall be protected as confidential information by the  
Board and the Division and not be a matter of public  
record in the absence of a written release from the  
operator, or until the mining operation has been  
terminated as provided in subsection (2) of section  
40-8-21."

Is confidential information contained herein?

YES *TCM* (Initial)

NO \_\_\_\_\_ (Initial)

Sections desired to be maintained as confidential information -

*All Sections*  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_